CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

MONITORING AND REPORTING
PROGRAM NO. 2008-0024
WDID NO. 6A186000500
FOR
CALIFORNIA DEPARTMENT OF CORRECTIONS AND REHABILITATION
HIGH DESERT STATE PRISON
AND
CALIFORNIA CORRECTIONAL CENTER AT SUSANVILLE
WASTEWATER TREATMENT FACILITY

Lassen County

I. MONITORING

A. Flow Monitoring

The following must be recorded in a permanent logbook:

1. The total volume, in millions of gallons (MG), of wastewater flow to the treatment Facility for each day.

2. The total volume, in MG, of wastewater flow to the treatment Facility for each month.

3. The maximum flow rate, in millions of gallons per day (MGD), of wastewater to the treatment Facility that occurs each day.

4. The calculated average flow rate, in MGD, of wastewater to the treatment Facility for each month.

5. The total volume, in MG, of wastewater flow to each field in the authorized disposal area for each month. Separate flow volumes must be recorded for any supplemental non-wastewater applied to the fields for agricultural purposes.

6. Visual observations of surface runoff from the fields in the authorized disposal area to the tailwater collection basin for each day that wastewater is applied. Indicate whether the tailwater basin is dry, moist, or ponded with water, and whether water from the basin is being reapplied to the fields or is overflowing. If no runoff reached the tailwater basin on a given day, indicate that no tailwater runoff occurred.

7. The freeboard (distance from the top of the lowest part of the dike to the wastewater surface in a pond) at the beginning of each month in each wastewater pond, and the minimum freeboard in each pond for each month. Ponds not containing wastewater must be so noted.

8. Flow measuring devices must be calibrated annually, at a minimum.

B. Facility Influent Monitoring

Samples of the wastewater influent to the Facility, collected upstream of all treatment units, must be analyzed to determine the magnitude of the following parameters:

Parameter	Units	Type of Sample[1]	Frequency
pH	pH units	Grab	Monthly
BOD[2]	mg/L	Grab	Monthly
Nitrate Nitrogen	mg/L as N	Grab	Monthly
Kjeldahl Nitrogen	mg/L as N	Grab	Monthly
Ammonia Nitrogen	mg/L as N	Grab	Monthly
Total Dissolved Solids	mg/L	Grab	Monthly

C. Facility Effluent Monitoring

Samples of the wastewater effluent from the treatment Facility will be collected in two locations for different parameters. One location is storage pond number 4 (indicated as "P" in the table below) prior to pumping to the irrigated fields, and the other location is after the chlorination process (indicated as "AC" in the table below). The after-chlorination samples are required only during periods when irrigation is occurring. The samples must be analyzed to determine the magnitude of the following parameters:

[1] Samples as defined for respective parameters in current Sampling and Analysis Plan, Attachment A, General Provision 1.d., 1.f. and 1.g.

[2] Biochemical Oxygen Demand (5-day, 20°C) of an unfiltered sample.

Parameter	Units	Type of Sample[1]	Frequency	Location
Dissolved Oxygen	mg/L	Grab	Monthly	P
pH	pH units	Grab	Monthly	P
Temperature	°C	Grab	Monthly	P
BOD[2]	mg/L	Grab	Monthly	P
Total Suspended Solids	mg/L	Grab	Monthly	P
MBAS[3]	mg/L	Grab	Quarterly	P
Total Dissolved Solids	mg/L	Grab	Quarterly	P
Nitrate Nitrogen	mg/L as N	Grab	Quarterly	P
Kjeldahl Nitrogen	mg/L as N	Grab	Quarterly	P
Ammonia Nitrogen	mg/L as N	Grab	Quarterly	P
Chloride	mg/L	Grab	Quarterly	AC
Sodium	mg/L	Grab	Quarterly	AC
Total Organic Carbon	mg/L	Grab	Quarterly	AC
Total Hardness	mg/L	Grab	Annually	AC
Oil and Grease	mg/L	Grab	Annually	P
Bromoform	µg/L	Grab	Annually	AC
Chloroform	µg/L	Grab	Annually	AC
Dibromochloromethane	µg/L	Grab	Annually	AC
Dichlorobromomethane	µg/L	Grab	Annually	AC
Heavy Metals[4]	mg/L	Grab	Annually	AC
Volatile Organics[4]	µg/L	Grab	Annually	AC
Base/Neutral Extractable Organics[4]	µg/L	Grab	Annually	AC
Acid Extractable Organics[4]	µg/L	Grab	Annually	AC

D. Monitoring effluent used for dust control and construction

The Discharger must collect samples daily for total coliform bacteria testing when treated wastewater is used for dust control or in construction. The samples must be collected after disinfection is accomplished and prior to any distribution of the treated wastewater. The samples must be taken from the disinfected effluent and must be analyzed by an approved laboratory.

E. Ground Water Monitoring

1. The Discharger must install five new ground water monitoring wells as part of the upgrade to the Facility. The new monitoring wells are

[1] Samples as defined for respective parameters in Sampling and Analysis Plan; see Attachment A, General Provision 1.d., 1.f. and 1.g.

[2] Biochemical Oxygen Demand (5 day, 20°C) of a filtered effluent sample.

[3] Methylene Blue Active Substances

[4] Analyses must be conducted for the Priority Pollutants shown in Attachment B.

designated GW-17 through GW-21. A report documenting the completion of the ground water monitoring wells must be submitted by **June 15, 2009** and include the following:

a. A final map to scale that shows all of the monitoring wells from GW-3 to GW-16 (existing) and GW-17 to GW-21 (proposed).

b. The driller's report or drilling log for each monitoring well constructed, reporting on the lithology and indicating the elevation where first ground water is encountered. The report must also include details on the construction of the well (i.e., depth of casing, material the casing is made of, length of sanitary seal, etc.).

c. Provide a list of monitoring wells and initially designate each well as up gradient, down gradient, or within the Facility or disposal area boundaries.

2. The existing ground water monitoring system consists of 16 monitoring wells designated as listed below. Monitoring wells SV-GW 17 through SV-GW-21 have been proposed by the CDCR to monitor new facilities and must be constructed and sampled at least once prior to using the new facilities. The following is the list of monitoring wells existing and proposed.

Existing Wells

GW-2C	GW-3,	GW-4	GW-5	GW-6
GW-7	GW-8	GW-9	GW-10	GW-11
GW-12	GW-13	GW-14	GW-15	GW-16B
GW-16C				

Proposed Wells

GW-17	GW-18	GW-19	GW-20	GW-21

All monitoring wells listed above, and any well subsequently installed and approved by the Executive Officer must be sampled for the parameters listed below. Proposed wells must be sampled for all constituents at least once, with quarterly and "every fifth year" sampling thereafter in accordance with the parameters listed below. Grab samples collected from the upper 20 feet, or the entire thickness (whichever is less), of the uppermost ground water-bearing zone of the monitoring wells must be analyzed to determine the magnitude of the following parameters:

Parameter	Units	Frequency
Kjeldahl Nitrogen	mg/L as N	Quarterly
Nitrate Nitrogen	mg/L as N	Quarterly
Ammonia Nitrogen	mg/L as N	Quarterly
MBAS[1]	mg/L	Quarterly
Chloride	mg/L	Quarterly
Sodium	mg/L	Quarterly
Sulfate	mg/L	Quarterly
Total Dissolved Solids	mg/L	Quarterly
Bromoform	µg/L	Every fifth year[3]
Chloroform	µg/L	Every fifth year[3]
Dibromochloromethane	µg/L	Every fifth year[3]
Dichlorobromomethane	µg/L	Every fifth year[3]
Volatile Organics[2]	µg/L	Every fifth year[3]
Base/Neutral Extractable Organics[2]	µg/L	Every fifth year[3]
Acid Extractable Organics[2]	µg/L	Every fifth year[3]
Heavy Metals[2]	mg/L	Every fifth year[3]

3. Each time a monitoring well is sampled, and prior to well purging as specified below, the elevation (feet above mean sea level) of ground water in each well must be measured, recorded and reported.

4. Well Purging

   i. Well volume is the volume of water in the submerged portion of a well casing. Ground water samples must be collected only after at least three well volumes have been removed, and temperature, electrical conductivity, and pH measurements have stabilized to approximately ± 10% for each successive well volume removed.

   ii. The field measurements of purged water volume, temperature, electrical conductivity and pH during purging must be reported with the results of ground water analyses. Parameter values must be reported in the following units:

[1] Methylene Blue Active Substances

[2] Analyses must be conducted for the Priority Pollutants shown in Attachment B.

[3] For constituents sampled and tested every 5th year, the results must be included in the Annual Report or if not sampled, the date the constituents were last sampled must be provided with the next planned sample collection year.

Parameter	Units
Temperature	°C or °F
Electrical Conductivity	mmhos/cm or dS/m
pH	pH units

iii. Static water elevation prior to sampling, well casing diameter, bottom elevation, and total well volumes removed prior to sampling must be reported with the results of ground water analyses.

E. Wind Speed Monitoring

A wind velocity (anemometer) and direction recording device must measure and record the following parameters when spray irrigation is occurring:

Parameter	Units	Frequency
Maximum Wind Speed	miles per hour	Daily
Wind Direction during the Maximum Wind Speed	azimuth	Daily

F. Annual Health and Safety Compliance Monitoring

The Discharger is required to maintain documents on file including, but not limited to, the following:

1. Evidence of public and worker notification of the use of undisinfected reclaimed water.

2. Evidence of effective ongoing worker training in the safe handling of undisinfected reclaimed water, and log of maintenance activity showing use of undisinfected recycled water stopped during required maintenance, and flow stoppage prior to harvest. Record of trainers/trainees, when and what subjects covered.

3. List of special equipment provided to workers for handling undisinfected recycled water (i.e. gloves, respirators, and eye protection), record of provision and the locations of protected equipment storage.

4. Provisions for worker hygiene in the field when using undisinfected reclaimed water, such as provision and quantity of freshwater washdown water and protective measures for food and drink handling.

G. Authorized Disposal Site Monitoring

The Discharger must record dates when irrigation is occurring at the authorized disposal sites. For each authorized disposal site, the Discharger must monitor and record the following information:

1. Acreage being irrigated; when a disposal site is not be irrigated, report that no irrigation is occurring.

2. Crop names and types (i.e. fodder, seed or other).

3. The date irrigation began and ended.

4. Approximate planting dates.

5. Approximate harvest dates and the estimated tonnage of harvest.

6. Irrigation method.

7. The volume of recycled wastewater applied to each field in production.

8. Nitrogen concentrations in tissue samples of harvested crops.

9. Total nitrogen in representative soil samples from the disposal sites.

10. Observations of irrigation tailwater collection basins or storm water runoff control facilities. The Discharger must record dates of irrigation and inspections and note and report any water discharged as runoff outside of the authorized disposal site.

11. For each day of irrigation, maximum daily wind speed and direction, time of maximum daily wind speed and direction, and dates the discharge is shut down due to high winds.

H. Chemical Use Monitoring

The Discharger must record the names and chemical compositions, locations, quantities, and dates of application of all chemical fertilizers, herbicides and pesticides applied to any crop grown on the Authorized Disposal Site in a permanent logbook. Chemical use information must be submitted to the Water Board on an annual basis.

I. Operation and Maintenance

The Discharger must maintain a log of any operational problems and maintenance activities that may affect effluent quality or disposal site operations and submit the information to the Water Board with each quarterly monitoring report.

This summary report must discuss:

1. Any modifications or additions to the wastewater conveyance system, treatment facilities, or disposal/water recycling facilities.

2. Any major maintenance conducted on the wastewater conveyance system, treatment facilities, or disposal/water recycling facilities.

3. Any major problems occurring in wastewater conveyance system, treatment facilities, or disposal/water recycling facilities.

4. The calibration of any wastewater flow measuring devices.

5. Total quantity of solids in the sedimentation ponds during the monitoring period. If a pond is out of service for drying solids prior to their reuse in the wetland cells or offsite disposal to authorized landfill, it must be reflected in the report. (This reporting requirement ends when the primary sedimentation ponds are converted to secondary oxidation ponds.)

6. Cumulative total quantity of solids currently on site in the primary fermentation pond including the quantity of solids added during the monitoring period.

II. REPORTING

A. General Provisions

1. The Discharger must comply with the "General Provisions for Monitoring and Reporting," dated September 1, 1994, which is attached to and made part of this Monitoring and Reporting Program.

2. The Discharger must attach to any monitoring report provided to the Water Board a certified cover letter containing the information in Attachment C. The information contained in the certified cover letter must clearly identify any violations of this Order, discuss corrective actions taken or planned, and propose a time schedule for completing identified corrective actions. Identified violations

must include a description of the requirement that was violated and a description of the violation. An example cover letter is provided in Attachment C, which is made part of this Monitoring and Reporting Program.

B. Quarterly Reports

The Discharger must submit quarterly reports containing the monitoring data and information required to be collected during the monitoring period in accordance with the following schedule:

Monitoring Period	Report Due Date
January 1 - March 31	April 30
April 1 - June 30	July 30
July 1 - September 30	October 30
October 1 - December 31	January 30

C. Annual Report

An annual report must be submitted by **January 30** of each year. The annual report must provide the following:

1. A summary and evaluation of the information obtained for the prior year in Monitoring and Reporting Program section I.G., which also includes an evaluation of compliance status with agronomic application rate requirements for water and nitrogen.

2. Graphical and tabular presentation of all the influent and effluent monitoring data obtained from the previous year.

3. Ground water reports that include multi-year graphs and trend analyses for total dissolved solids, nitrate as N, and chloride data.

4. The direction of the ground water flow under the Facility and authorized disposal sites must be calculated for each quarter and presented in the annual report with accompanying monitoring well static water level data. A graphical representation of the ground water flow direction and elevations for each quarterly sampling event of the year must be shown on scaled maps (one for each quarter) and included in the annual monitoring report.

5. The Discharger must annually review the ground water monitoring data and determine the ground water flow direction(s). These shall be reported and compared with similar data from the prior year. If the ground water shifts by more than 45 degrees the Discharger must propose additional monitoring wells to ensure the well system

will monitor the ground water quality in relation to the discharge, and a schedule for their completion, or provide a signed certification by a California-registered engineer or engineering geologist that additional wells are not needed to monitor the ground water quality in relation to the discharge.

6. If an existing monitoring well yields no water for sampling during two consecutive quarters, the Discharger must provide a explanation as to why the well is dry and provide a schedule in the report for the second consecutive quarter describing when and how the monitoring deficiency will be corrected (i.e., by redrilling or replacing the dry monitoring well).

7. A summary of the compliance record and corrective actions needed or taken or planned to bring the discharge into full compliance with the waste discharge requirements.

8. The names and grades of all certified operators.

D. Other Reports

The following reports are due by **January 30** of each year and may be included with the first-quarter report or submitted separately.

1. Annual Health and Safety Compliance Monitoring Report

   i. Evidence of public and worker notification of the use of undisinfected reclaimed water.

   ii. Evidence of effective ongoing worker training in the safe handling of undisinfected reclaimed water. Record of trainers/trainees, when and what subjects covered.

   iii. List of special equipment provided to workers for handling undisinfected recycled water (i.e. gloves, respirators, and eye protection), record of provision and the locations of protected equipment storage.

   iv. Provisions for worker hygiene in the field when using undisinfected reclaimed water, such as provision and quantity of freshwater washdown water and protective measures for food and drink handling.

2. Authorized Disposal Site Monitoring Report

An Authorized Disposal Site Monitoring Report must be provided on an annual basis. The Authorized Disposal Site Monitoring Report must provide information including, but not limited to, the following:

i. Annual analysis and summary, by a certified soil scientist, qualified agronomist, or other qualified professional[6], of the amount of water and nitrogen applied or available to the crops for each irrigated field. The analysis must compare the actual water and nitrogen applications to those predicted in the Annual Cropping Plan for the previous year and discuss any significant differences. Additionally, this annual report must include an evaluation of the actual crop production at harvest to that projected in the previous year's Annual Cropping Plan.

ii. For each harvest completed during the previous year, the report must include the total amount of nitrogen harvested based on the results of site-specific plant tissue analyses. Conservative (lower-bound) estimates of the amount of nitrogen harvested may be used in lieu of site-specific plant tissue analyses provided the estimate is justified by use of prior site-specific tissue analyses or literature references for alfalfa grown using recycled water. The production from the field may be determined by multiplying the number of bales by an average bale weight. The results of this calculation must be compared to the total amount of nitrogen applied to the crop from all sources (e.g., wastewater, other water, and fertilizer) or available in the soil during production. A comparison with the previous year's Annual Cropping Plan must be provided, and any significant differences from the Annual Cropping Plan must be addressed.

iii. Recycled water balance for the crop cycle including: the amount of water applied to each field, water losses due to irrigation efficiency and evapotranspiration, and the amount of water in storage in the vadose zone or available for percolation below the root zone. These values must be compared to the values proposed in the Annual Cropping Plan for the previous year and any significant differences must be addressed. If recycled water is blended with non-recycled water to meet the water demand during warmer seasons, the quantity and percentage of recycled water and the total water applied must be determined

[6] A statement of qualifications must be provided.

and reported. Nitrogen content of non-recycled water must also be determined and reported.

iv. Information that demonstrates that all recycled water applied complied with the State Department of Health Services water recycling (reclamation) requirements. The information should include verification that the level of treatment required for water recycling was achieved and that the methods of recycled water application were implemented as required.

v. Summary of daily wind speed(s) and direction(s) at the Authorized Disposal Site, indicating periods when irrigation ceased due to the potential to transport effluent offsite by high wind conditions. Additionally, the report must include a discussion of the factors that lead to a decision to continue irrigation when the wind speed exceeds the level defined by the Discharger as its best management practice for preventing off-site transport of reclaimed wastewater.

vi. Monthly evaluation of the effectiveness of measures to prevent offsite drift of undisinfected recycled water aerosols.

vii. Summary of maintenance activities such as maintenance of adequate setbacks from the property lines for the use of undisinfected reclaimed water, discing, deep discing, weed removal and recontouring at land spreading areas and irrigated fields.

viii. Summary of daily inspections for ponding, offsite flow or offsite drift when irrigation with recycled water is occurring.

ix. Provide information on any and all chemicals used on the agricultural fields.

3. Annual Cropping Report for the Calendar Year

An Annual Cropping Plan Report must include, but is not limited to, the following items describing the proposed cropping plan for the calendar year (items ii-v must be for each field and crop type).

i. Names, addresses, and telephone numbers of users of reclaimed wastewater from the Facility, if other than the Discharger.

ii. Volume of water usage expected based on crop needs (irrigation efficiency, evapotranspiration and need for

maintenance leaching). Provide basis for calculations, including data for irrigation efficiency as measured in the field using methods described in appropriate literature references (i.e., Intermountain Alfalfa Management, Publication 3366, University of California Division of Agriculture and Natural Resources, 1997).

iii. Amount of nitrogen expected to be applied to the crop from all sources, including estimates of nitrogen available in the root zone based on annual soil testing.

iv. Amount of nitrogen expected in the harvested crop per harvest and total amount expected to be removed from the field for the year.

v. Describe the fate of nitrogen that has been applied, or that is available in the root zone, that is not accounted for in the crops harvested during the prior year.

4. Reports of Use of Recycled Water for Construction

The Discharger must provide results of coliform testing and estimate the amount of wastewater used during construction for each day and each month that recycled wastewater is used for construction. Monthly reports submitted with Attachment "C" and the daily data must be received within 15 days after the last day of the month that the recycled water was used.

5. Report of Method to Analyze Collected Ground Water Data

By July 30, 2009, the Discharger must produce a ground water analysis report for acceptance by the Executive Officer. The report must provide the following:

i. A review of existing ground water data and a method for how new data will be analyzed, annually at a minimum, to determine if concentrations of total dissolved solids, nitrate as nitrogen and chloride in the ground water are changing in a manner that indicates ground water quality is being degraded due to waste discharges. The proposed analysis may compare up gradient and down gradient monitoring wells, provide interwell or intrawell statistical analyses, or propose other methods acceptable to the Executive Officer.

ii. A comprehensive data analysis and proposed threshold concentrations of total dissolved solids, nitrate as nitrogen and chloride that would serve to indicate that degradation is occurring due to wastewater application. This report must also propose actions that will be taken if these thresholds are crossed and a timeline for completing the actions.

6. Annually, analyze the ground water data collected in accordance with the accepted methods and information in No. 5 above and provide an assessment of whether ground water degradation is occurring as a result of the Facility or disposal operation.

Ordered by: Harold J. Singer Dated: July 23, 2008
HAROLD J. SINGER
EXECUTIVE OFFICER

Attachments:
A. General Provisions for Monitoring and Reporting
B. Priority Pollutant List
C. Certified Reporting Form Cover Letter

ATTACHMENT A

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

GENERAL PROVISIONS
FOR MONITORING AND REPORTING

1. SAMPLING AND ANALYSIS

a. All analyses shall be performed in accordance with the current edition(s) of the following documents:

i. Standard Methods for the Examination of Water and Wastewater

ii. Methods for Chemical Analysis of Water and Wastes, EPA

b. All analyses shall be performed in a laboratory certified to perform such analyses by the California State Department of Health Services or a laboratory approved by the Regional Board Executive Officer. Specific methods of analysis must be identified on each laboratory report.

c. Any modifications to the above methods to eliminate known interferences shall be reported with the sample results. The methods used shall also be reported. If methods other than EPA-approved methods or Standard Methods are used, the exact methodology must be submitted for review and must be approved by the Regional Board prior to use.

d. The Discharger shall establish chain-of-custody procedures to insure that specific individuals are responsible for sample integrity from commencement of sample collection through delivery to an approved laboratory. Sample collection, storage, and analysis shall be conducted in accordance with an approved Sampling and Analysis Plan (SAP). The most recent version of the approved SAP shall be kept at the facility.

e. The Discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to ensure accuracy of measurements, or shall insure that both activities will be conducted. The calibration of any wastewater flow measuring device shall be recorded and maintained in the permanent log book described in 2.b, below.

f. A grab sample is defined as an individual sample collected in fewer than 15 minutes.

g. A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period at equal intervals. The volume of each individual sample shall be proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

2. OPERATIONAL REQUIREMENTS

a. Sample Results

Pursuant to California Water Code Section 13267(b), the Discharger shall maintain all sampling and analytical results including: strip charts; date, exact place, and time of sampling; date analyses were performed; sample collector's name; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge, or when requested by the Regional Board.

b. Operational Log

Pursuant to California Water Code Section 13267(b), an operation and maintenance log shall be maintained at the facility. All monitoring and reporting data shall be recorded in a permanent log book.

3. REPORTING

a. For every item where the requirements are not met, the Discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time, and shall submit a timetable for correction.

b. Pursuant to California Water Code Section 13267(b), all sampling and analytical results shall be made available to the Regional Board upon request. Results shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge, or when requested by the Regional Board.

c. The Discharger shall provide a brief summary of any operational problems and maintenance activities to the Board with each monitoring report. Any modifications or additions to, or any major maintenance conducted on, or any major problems occurring to the wastewater conveyance system, treatment facilities, or disposal facilities shall be included in this summary.

d. Monitoring reports shall be signed by:

i. In the case of a corporation, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates;

ii. In the case of a partnership, by a general partner;

iii. In the case of a sole proprietorship, by the proprietor; or

iv. In the case of a municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

e. Monitoring reports are to include the following:

i. Name and telephone number of individual who can answer questions about the report.

ii. The Monitoring and Reporting Program Number.

iii. WDID Number.

f. Modifications

This Monitoring and Reporting Program may be modified at the discretion of the Regional Board Executive Officer.

4. NONCOMPLIANCE

Under Section 13268 of the Water Code, any person failing or refusing to furnish technical or monitoring reports, or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly in an amount of up to one thousand dollars ($1,000) for each day of violation under Section 13268 of the Water Code.

CTR Number	Parameter	CAS Number	Suggested Analytical Methods
1	Antimony	7440360	EPA 6020/200.8
2	Arsenic	7440382	EPA 1632
3	Beryllium	7440417	EPA 6020/200.8
4	Cadmium	7440439	EPA 1638/200.8
5a	Chromium (III)	16065831	EPA 6020/200.8
5a	Chromium (VI)	18540299	EPA 7199/1636
6	Copper	7440508	EPA 6020/200.8
7	Lead	7439921	EPA 1638
8	Mercury	7439976	EPA 1669/1631
9	Nickel	7440020	EPA 6020/200.8
10	Selenium	7782492	EPA 6020/200.8
11	Silver	7440224	EPA 6020/200.8
12	Thallium	7440280	EPA 6020/200.8
13	Zinc	7440666	EPA 6020/200.8
14	Cyanide	57125	EPA 9012A
15	Asbestos	1332214	EPA/600/R-93/116(PCM)
16	2,3,7,8-TCDD	1746016	EPA 8290 (HRGC) MS
17	Acrolein	107028	EPA 8260B
18	Acrylonitrile	107131	EPA 8260B
19	Benzene	71432	EPA 8260B
20	Bromoform	75252	EPA 8260B
21	Carbon Tetrachloride	56235	EPA 8260B
22	Chlorobenzene	108907	EPA 8260B
23	Chlorodibromomethane	124481	EPA 8260B
24	Chloroethane	75003	EPA 8260B
25	2-Chloroethylvinyl Ether	110758	EPA 8260B
26	Chloroform	67663	EPA 8260B
27	Dichlorobromomethane	75274	EPA 8260B
28	1,1-Dichloroethane	75343	EPA 8260B
29	1,2-Dichloroethane	107062	EPA 8260B
30	1,1-Dichloroethylene	75354	EPA 8260B
31	1,2-Dichloropropane	78875	EPA 8260B
32	1,3-Dichloropropylene	542756	EPA 8260B
33	Ethylbenzene	100414	EPA 8260B
34	Methyl Bromide	74839	EPA 8260B
35	Methyl Chloride	74873	EPA 8260B
36	Methylene Chloride	75092	EPA 8260B
37	1,1,2,2-Tetrachloroethane	79345	EPA 8260B
38	Tetrachloroethylene	127184	EPA 8260B
39	Toluene	108883	EPA 8260B
40	1,2-Trans-Dichloroethylene	156605	EPA 8260B
41	1,1,1-Trichloroethane	71556	EPA 8260B

CTR Number	Parameter	CAS Number	Suggested Analytical Methods
42	1,12-Trichloroethane	79005	EPA 8260B
43	Trichloroethylene	79016	EPA 8260B
44	Vinyl Chloride	75014	EPA 8260B
45	2-Chlorophenol	95578	EPA 8270C
46	2,4-Dichlorophenol	120832	EPA 8270C
47	2,4-Dimethylphenol	105679	EPA 8270C
48	2-Methyl-4,6-Dinitrophenol	534521	EPA 8270C
49	2,4-Dinitrophenol	51285	EPA 8270C
50	2-Nitrophenol	88755	EPA 8270C
51	4-Nitrophenol	100027	EPA 8270C
52	3-Methyl-4-Chlorophenol	59507	EPA 8270C
53	Pentachlorophenol	87865	EPA 8270C
54	Phenol	108952	EPA 8270C
55	2,4,6-Trichlorophenol	88062	EPA 8270C
56	Acenaphthene	83329	EPA 8270C
57	Acenaphthylene	208968	EPA 8270C
58	Anthracene	120127	EPA 8270C
59	Benzidine	92875	EPA 8270C
60	Benzo(a)Anthracene	56553	EPA 8270C
61	Benzo(a)Pyrene	50328	EPA 8270C
62	Benzo(b)Fluoranthene	205992	EPA 8270C
63	Benzo(ghi)Perylene	191242	EPA 8270C
64	Benzo(k)Fluoranthene	207089	EPA 8270C
65	Bis(2-Chloroethoxy)Methane	111911	EPA 8270C
66	Bis(2-Chloroethyl)Ether	111444	EPA 8270C
67	Bis(2-Chloroisopropyl)Ether	108601	EPA 8270C
68	Bis(2-Ethylhexyl)Phthalate	117817	EPA 8270C
69	4-Bromophenyl Phenyl Ether	101553	EPA 8270C
70	Butylbenzyl Phthalate	85687	EPA 8270C
71	2-Chloronaphthalene	91587	EPA 8270C
72	4-Chlorophenyl Phenyl Ether	7005723	EPA 8270C
73	Chrysene	218019	EPA 8270C
74	Dibenzo(a,h)Anthracene	53703	EPA 8270C
75	1,2-Dichlorobenzene	95501	EPA 8260B
76	1,3-Dichlorobenzene	541731	EPA 8260B
77	1,4-Dichlorobenzene	106467	EPA 8260B
78	3,3'-Dichlorobenzidine	91941	EPA 8270C
79	Diethyl Phthalate	84662	EPA 8270C
80	Dimethyl Phthalate	131113	EPA 8270C
81	Di-n-Butyl Phthalate	84742	EPA 8270C
82	2,4-Dinitrotoluene	121142	EPA 8270C
83	2,6-Dinitrotoluene	606202	EPA 8270C
84	Di-n-Octyl Phthalate	117840	EPA 8270C
85	1,2-Diphenylhydrazine	122667	EPA 8270C

CTR Number	Parameter	CAS Number	Suggested Analytical Methods
86	Fluoranthene	206440	EPA 8270C
87	Fluorene	86737	EPA 8270C
88	Hexachlorobenzene	118741	EPA 8260B
89	Hexachlorobutadiene	87863	EPA 8260B
90	Hexachlorocyclopentadiene	77474	EPA 8270C
91	Hexachloroethane	67721	EPA 8260B
92	Indeno(1,2,3-cd)Pyrene	193395	EPA 8270C
93	Isophorone	78591	EPA 8270C
94	Naphthalene	91203	EPA 8260B
95	Nitrobenzene	98953	EPA 8270C
96	N-Nitrosodimethylamine	62759	EPA 8270C
97	N-Nitrosodi-n-Propylamine	621647	EPA 8270C
98	N-Nitrosodiphenylamine	86306	EPA 8270C
99	Phenanthrene	85018	EPA 8270C
100	Pyrene	129000	EPA 8270C
101	1,2,4-Trichlorobenzene	120821	EPA 8260B
102	Aldrin	309002	EPA 8081A
103	alpha-BHC	319846	EPA 8081A
104	beta-BHC	319857	EPA 8081A
105	gamma-BHC	58899	EPA 8081A
106	delta-BHC	319868	EPA 8081A
107	Chlordane	57749	EPA 8081A
108	4,4'-DDT	50293	EPA 8081A
109	4,4'-DDE	72559	EPA 8081A
110	4,4'-DDD	72548	EPA 8081A
111	Dieldrin	60571	EPA 8081A
112	alpha-Endosulfan	959988	EPA 8081A
113	beta-Endosulfan	33213659	EPA 8081A
114	Endosulfan Sulfate	1031078	EPA 8081A
115	Endrin	72208	EPA 8081A
116	Endrin Aldehyde	7421934	EPA 8081A
117	Heptachlor	76448	EPA 8081A
118	Heptachlor Epoxide	1024573	EPA 8081A
119	PCB-1016	12674112	EPA 8082
120	PCB-1221	11104282	EPA 8082
121	PCB-1232	11141165	EPA 8082
122	PCB-1242	53469219	EPA 8082
123	PCB-1248	12672296	EPA 8082
124	PCB-1254	11097691	EPA 8082
125	PCB-1260	11096825	EPA 8082
126	Toxaphene	8001352	EPA 8081A

ATTACHMENT C

Date _____

California Regional Water Quality Control Board
Lahontan Region
2501 Lake Tahoe Boulevard
South Lake Tahoe, CA 96150

Facility Name: _____

_____

Address: _____

_____

_____

_____

Contact Person: _____

Job Title: _____

Phone: _____

Email: _____

WDR/NPDES Order Number: _____

WDID Number: _____

Type of Report (circle one): **Monthly Quarterly Semi-Annual Annual Other**

Month(s) (circle applicable month(s)*: **JAN FEB MAR APR MAY JUN**
JUL AUG SEP OCT NOV DEC

***annual Reports** (circle the first month of the reporting period)

Year: _____

Violation(s)? (Please check one): _____ **NO** _____ **YES***

***If YES is marked complete a-g (Attach Additional information as necessary)**

a) Brief Description of Violation: _____

_____

_____

_____

_____

b) Section(s) of WDRs/NPDES Permit Violated: _____

c) Reported Value(s) or Volume: _____

d) WDRs/NPDES Limit/Condition: _____

e) Date(s) and Duration of Violation(s): _____

f) Explanation of Cause(s): _____

g) Corrective Action(s)
(Specify actions taken and a schedule for actions to be taken) _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision following a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my knowledge of the person(s) who manage the system, or those directly responsible for data gathering, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

If you have any questions or require additional information, please contact _____at the number provided above.

Sincerely,

Signature:_____

Name: _____

Title: _____